

Docket No.: HERTINGER
Appl. No.: 10/783,964

REMARKS

The last Office Action of August 18, 2004 has been carefully considered. Reconsideration of the instant application in view of the foregoing amendments and the following remarks is respectfully requested.

Claims 1-14 are pending in the application. Claims 1-4, 6, 8-12 and 14 remain in this application. Claims 1 and 9 have been amended. Claims 5, 7, and 13 have been canceled.

Claims 1, 2, 5-10, 13 and 14 stand rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Pat. No. 5,880,956 to Graf in view of U.S. Pat. No. 6,878,582 to Waled.

Claims 3, 4, 11 and 12 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Graf and Waled in view of U.S. Pat. No. 5,914,876 to Hiral.

Claims 1 and 9 have now been amended to recite that the "interpreter" receives from a user an instruction commensurate with a movement of an element, and translates the instruction into a machine code. In addition, claims 1 and 9 have been amended to recite that the display graphically displays to the user a simulated effect of the instruction in form of a two-dimensional or three-dimensional representation by highlighting the collision on the display and displaying in ASCII code the instruction causing the collision.

The Graf reference discloses a lead-through robot programming system with a workstation which provides a visual description of the nature of the collision. Col. 14, lines 5 to 9 states as follows: "*If any collisions or near misses*

Docket No.: HERTINGER
Appl. No.: 10/783,964

are identified, the software performing the collision checking function can generate textual messages on the monitor 104 or other controller display (not shown) describing the nature of the collisions". Thus, while Graf is able to describe in general the nature of a collision, Graf fails to describe the actual instruction causing the collision, let alone describing the instruction in ASCII code.

The Waled reference discloses an interpreter that translates a computer program into a real-time operating program for other corresponding control devices, Waled does not suggest an interpreter that receives from a user an instruction commensurate with a movement of an element, and translates the instruction into a machine code, as set forth in amended claims 1 and 9.

For the reasons set forth above, it is applicant's contention that neither Graf nor Waled, nor a combination thereof teaches or suggests the features of the present invention, as recited in claims 1 and 9.

As for the rejection of the retained dependent claims, these claims depend on claims 1 and 9, share their presumably allowable features, and therefore it is respectfully submitted that these claims should also be allowed.

With respect to the Hirai reference, applicant notes that Hirai merely discloses (in the Abstract only) an interpreter for the expanded control words so as to expand a processing program containing expanded control words into a plurality of control programs. Hirai discloses an interpreter that translates between programs, which is different from the interpreter recited in amended claims 1 and 9.

Docket No.: HERTINGER
Appl. No.: 10/783,964

Applicant has also carefully scrutinized the further cited prior art and finds it without any relevance to the newly submitted claims. It is thus felt that no specific discussion thereof is necessary.

In view of the above presented remarks and amendments, it is respectfully submitted that all claims on file should be considered patentably differentiated over the art and should be allowed.

Reconsideration and allowance of the present application are respectfully requested.

Should the Examiner consider necessary or desirable any formal changes anywhere in the specification, claims and/or drawing, then it is respectfully requested that such changes be made by Examiner's Amendment, if the Examiner feels this would facilitate passage of the case to issuance. If the Examiner feels that it might be helpful in advancing this case by calling the undersigned, applicant would greatly appreciate such a telephone interview.

Respectfully submitted,

By: 

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